

Sequence Listing

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<110> Khan, Nisar A.
Benner, Robert
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<120> Gene regulator

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<130> 2183-5223US
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<140> 10/028,075
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<141> 2001-12-21

<150> EP 01203748.7

<151> 2001-10-04

<160> 312

<170> PatentIn Ver. 2.1

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Leu Gln Gly Val

1

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<400> 2

Ala Gln Gly Val

1

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<400>3

Val Leu Pro Ala Leu Pro

1

<210>4

<211> 16

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Met Leu Ala Arg Arg Lys Pro
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Pro Gly Cys Pro
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Pro Ala Val Pro
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Gly Val Val Pro
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Val Pro Arg Gly Val
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Pro Arg Gly Val
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Leu Ala Gly Val
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1
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Gly Val Leu Pro Ala Leu Pro Gln
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Val Val Cys Asn Tyr Arg Asp Val Arg Phe Glu Ser Ile Arg Leu Pro
 1 5
                10
Gly Cys Pro Arg Gly Val Asn Pro Val Val Ser Tyr Ala Val Ala Leu
Ser Cys Gln Cys Ala Leu
     35
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Arg Pro Arg Cys Arg Pro Ile Asn Ala Thr Leu Ala Val Glu Lys
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Glu Gly Cys Pro Val Cys Ile Thr Val Asn Thr Thr Ile Cys Ala Gly
Tyr Cys Pro Thr
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Ser Lys Ala Pro Pro Pro Ser Leu Pro Ser Pro Ser Arg Leu Pro Gly
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                                  15
1
Pro Ser
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Ser Ile Arg Leu Pro Gly Cys Pro Arg Gly Val Asn Pro Val Val Ser
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<210>41
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Met Thr Arg Val
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Gln Val Val Cys
1
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Met Thr Arg Val Leu Gln Gly Val Leu Pro Ala Leu Pro Gln Val Val
          5
                     10
                                15
Cys ·
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          5
                      10
Gly Cys Pro Val Cys Ile Thr Val Asn Thr Thr Ile Cys Ala Gly Tyr
                   25
Cys Pro Thr
     35
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   composition of the invention
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Cys Ala Leu Cys Arg Arg Ser Thr Thr Asp Cys Gly Gly Pro Lys Asp
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His Pro Leu Thr Cys
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<210>47
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Cys Arg Arg Ser Thr Thr Asp Cys Gly Gly Pro Lys Asp His Pro Leu
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Thr Cys
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Thr Cys Asp Asp Pro Arg Phe Gln Asp Ser Ser Ser Ser Lys Ala Pro
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                                  15
                      10
Pro Pro Ser Leu Pro Ser Pro Ser Arg Leu Pro Gly Pro Ser Asp Thr
       20
                   25
                                30
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Pro Ile Leu Pro Gln

11

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35
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Leu Gln Gly Val Leu Pro Ala Leu Pro Gln
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Cys Pro Arg Gly Val Asn Pro Val Val Ser
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Leu Gln Ala Val
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Leu Gln Gly Val Val
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<210> 54
<211>6
<212> PRT
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Leu Gln Gly Val Val Pro
          5
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Leu Asp Ala Leu Pro
          5
1
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   pdb/1QMH/1QMH-A
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Leu Gln Thr Val
1
<210> 57
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Leu Val Leu Gln Thr Val Leu Pro Ala Leu
          5
                     10
<210> 58
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Ile Gln Gly Leu
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Leu Pro Lys Leu
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Leu Leu Pro Lys Leu
          5
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Leu Pro Glu Leu
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 1
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          5
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Pro Glu Ala Pro
<210> 67
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Leu Gln Lys Leu Pro Glu Ala Pro
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Pro Thr Leu Pro
1
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Leu Gln Val Val
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<210>71
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   pdb/1VCB/1VCB-A
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Pro Glu Leu Pro
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Pro Ala Ala Pro
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Pro Ala Leu Pro Glu
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                     10
          5
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Leu Pro Gly Leu
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<210>84
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 1
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Pro Lys Leu Pro
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Met Leu Pro Ala Val Pro
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1
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Leu Pro Cys Leu
<210>89
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Val Pro Ala Leu Pro
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Pro Thr Ile Pro
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          5
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Val Leu Pro Gly Phe Pro
          5
1
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Pro Gly Phe Pro
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Leu Pro Ala Leu Pro
          5
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Met Xaa Arg Val Leu Gln Gly Val Leu Pro Ala Leu Pro Gln Val Val
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Cys
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Ile Thr Arg Val Met Gln Gly Val Ile Pro Ala Leu Pro Gln Val Val
          5
                     10
                                 15
1
Cys
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Lys Val Ile Gln Gly Ser Leu Asp Ser Leu Pro Gln Ala Val
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                     10
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Leu Asp Ser Leu
 1
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Val Leu Gln Ala Ile Leu Pro Ser Ala Pro Gln
 1
          5 .
                     10
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Leu Gln Ala Ile Leu
1
          5
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Pro Ser Ala Pro
 1
<210> 106
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Leu Gln His Val
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Cys
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Val Leu Pro Pro Leu Pro
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Ala Val Leu Pro Pro Leu Pro Gln
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Cys
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Ala Val Leu Pro Pro Val Pro Gln
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<212> PRT
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Met Thr Arg Asp
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Gln Asp Val Cys
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Ile Pro Gly Cys
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Pro Ala Leu Pro Ser
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<210> 149
<211>6
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<223> Description of Artificial Sequence:
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Leu Pro Gly Gly Pro Arg
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Leu Pro Gly Gly
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Gly Gly Pro Arg
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Leu Gln Arg Gly
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Leu Gln Arg Gly Val
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Met Thr Arg Val Leu Gln Gly Val Leu Pro Ala Leu Pro
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Val Leu Gln Gly Val Leu Pro Ala Leu
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<223> Description of Artificial Sequence: HLA molecule
   type I (A_0201)
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Val Leu Pro Ala Leu Pro Gln Val Val
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<210> 159
<211>9
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Arg Leu Pro Gly Cys Pro Arg Gly Val
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   type I (A_0201)
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Thr Met Thr Arg Val Leu Gln Gly Val
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Cys Pro Thr Met Thr Arg Val Leu Gln Gly Val Leu Pro Ala Leu
          5
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<210> 162
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<212> PRT
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<223> Description of Artificial Sequence: MHC II (H2-Ak
   15-mers)
<400> 162
Pro Gly Cys Pro Arg Gly Val Asn Pro Val Val Ser Tyr Ala Val
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<210> 163
<211> 15
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Pro Arg Gly Val Asn Pro Val Val Ser Tyr Ala Val Ala Leu Ser
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<210> 164
<211>15
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   15-mers
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   15-mers
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   (DR17) 15-mers
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Met Thr Arg Val Leu Gln Gly Val Leu Pro Ala Leu Pro Gln Val
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<210> 167
<211> 15
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   (DR17) 15-mers
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Ser Ile Arg Leu Pro Gly Cys Pro Arg Gly Val Asn Pro Val Val
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<400> 168
Val Ala Pro Ala Leu Pro Gln
          5
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   peptide
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Val Val Cys Asn Tyr Arg Asp Val Arg Phe Glu Ser Ile Arg Leu Pro
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Gly Cys Pro Arg Gly Val Asn Pro Val Val Ser Tyr Ala Val Ala Leu
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Ser Cys Gly
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<210>170
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   peptide
<400> 170
Cys Pro Arg Gly Val Asn Pro
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<210> 171.
<211> 14
<212> PRT
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<223> Description of Artificial Sequence: NMPF-70
   peptide
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   peptide
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Ser Lys Ala Pro Pro Pro Ser Leu Pro Ser Pro Ser Arg Leu Pro Gly
          5
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Pro Cys
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    peptide
<400> 173
Val Ala Pro Ala Leu Pro Gln
          5
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    peptide
<400> 174
Met Thr Arg Val Leu Pro Gly Val Leu Pro Ala Leu Pro Gln Val Val
          5
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Cys
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Met Thr Arg Val
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Thr Arg Val Leu
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Arg Val Leu Gln
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Val Leu Gln Gly
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<213> Homo sapiens
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Gln Gly Val Leu
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Gly Val Leu Pro
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Val Leu Pro Ala
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Leu Pro Ala Leu
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Pro Ala Leu Pro
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Gln Val Val Cys
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C-Reactive Protein
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Leu Thr Ser Leu
<210> 187
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Phe Val Leu Ser
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C-Reactive Protein
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Asn Met Trp Asp
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C-Reactive Protein
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Leu Cys Phe Leu
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C-Reactive Protein
<400> 190
Met Trp Asp Phe
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<210> 191
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C-Reactive Protein
<400> 191
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C-Reactive Protein
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Phe Trp Val Asp
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C-Reactive Protein
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Ala Phe Thr Val
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C-Reactive Protein
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<400> 196
Thr Ala Pro Ser
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catenin
<400> 197
Val Cys Gln Val
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catenin
<400> 198
Cys Leu Trp Thr
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catenin
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Val His Gln Leu
<210> 200
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Leu Gly Thr Leu .
1
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catenin
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catenin
<400> 203
Gln Leu Leu Gly
 1
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<210> 204
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catenin
<400> 204
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catenin
<400> 205
Leu Cys Glu Leu
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Gly Leu Ile Arg
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catenin
<400> 207
Asp Pro Ser Leu
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catenin
<400> 208
Ile Thr Thr Leu
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catenin
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catenin
<400> 210
His Pro Pro Ser
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catenin
<400> 211
Gly Val Leu Cys
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catenin
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Leu Cys Pro Ala
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catenin
<400> 213
Leu Phe Tyr Ala
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catenin
<400> 214
Asn Ile Met Arg
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catenin
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Asn Leu Ile Asn
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catenin
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Leu His Pro Pro
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<223> Description of Artificial Sequence: derivative peptide based on beta-
catenin
<400> 217
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